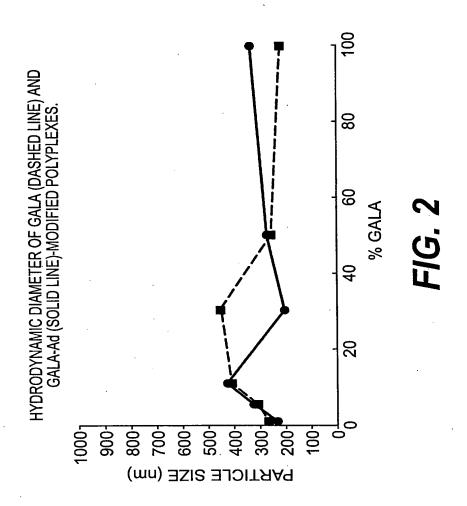
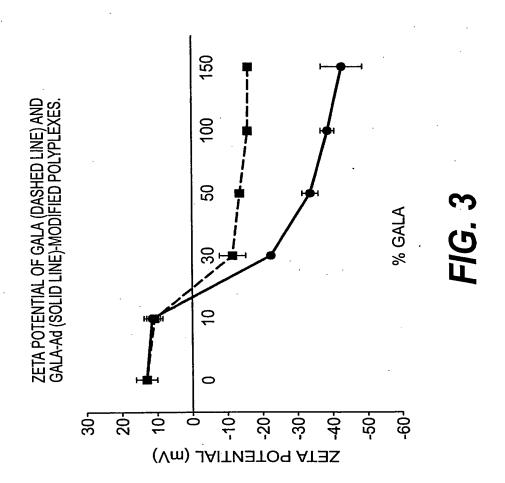
STRUCTURES OF VARIOUS ADAMANTANE-PEG MOLECULES.





UPTAKE OF GALA-Ad AND GALA MODIFIED POLYPLEXES BY BHK-21 CELLS.

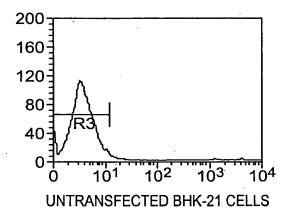
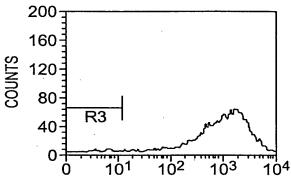
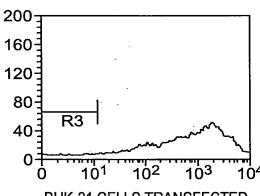


FIG. 4A



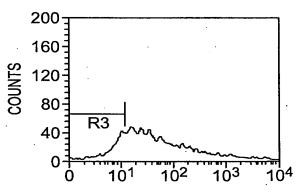
BHK-21 CELLS TRANSFECTED WITH βCDP6/FITC-OLIGO AT 5+/-

FIG. 4B



BHK-21 CELLS TRANSFECTED WITH β CDP6/FITC-OLIGO/50 % GALA

FIG. 4C



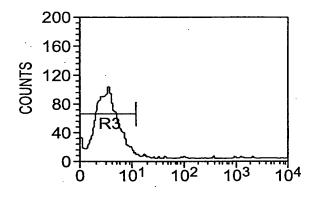
BHK-21 CELLS TRANSFECTED WITH βCDP6/FITC-OLIGO/50 % GALA-AD

FIG. 4D

FIG. 4

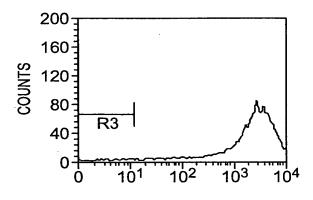
5/31

UPTAKE OF GALA-Ad AND GALA MODIFIED POLYPLEXES BY HUH-7 CELLS



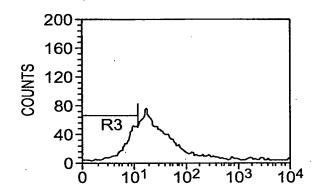
UNTRANSFECTED HUH-7 CELLS

FIG. 5A



HUH-7 TRANSFECTED WITH βCDP6/FITC-OLIGO AT 5+/-

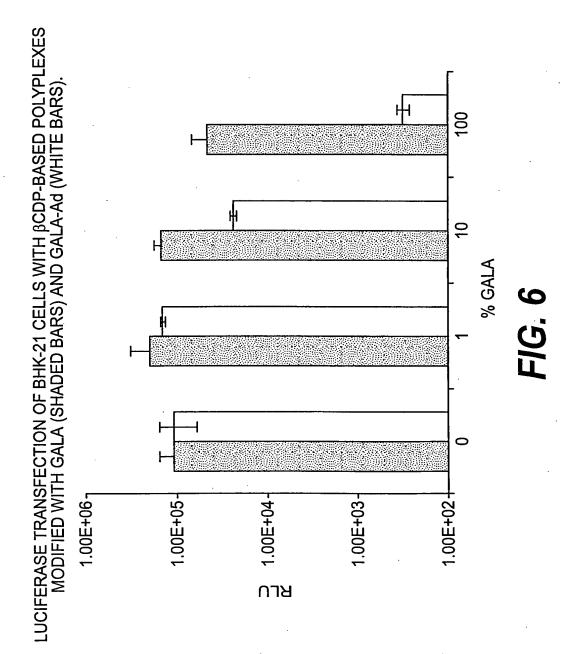
FIG. 5B

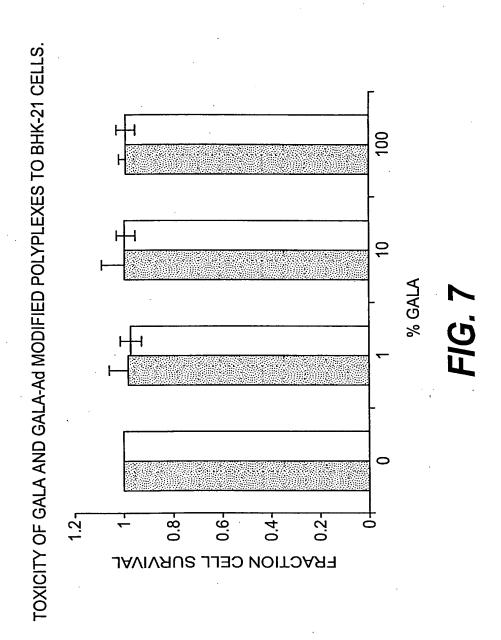


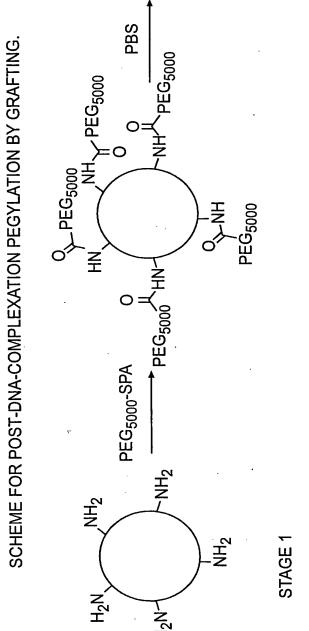
HUH-7 TRANSFECTED WITH βCDP6/FITC-OLIGO/ 50 % GALA-Ad

FIG. 5C

FIG. 5







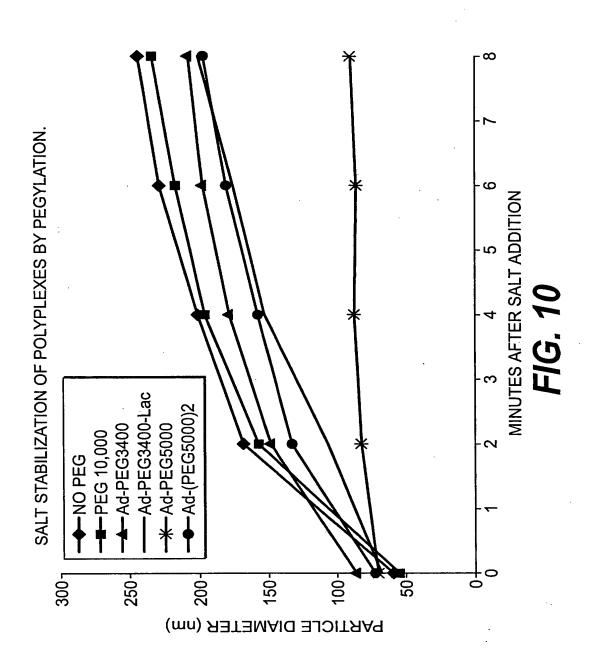
F/G. 8

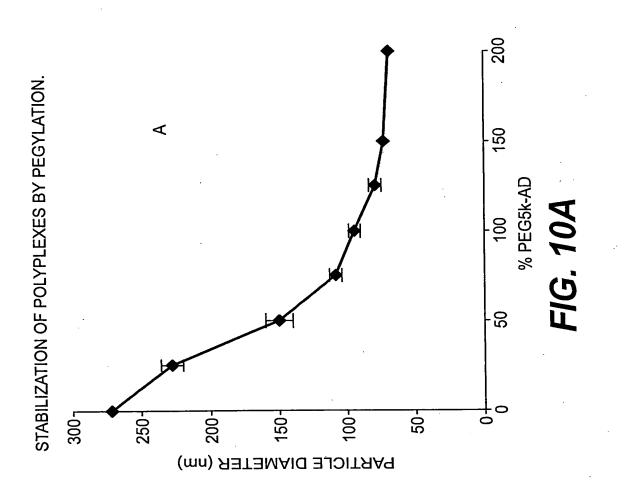
PARTICLE SIZES OF PEI AND 12 (BCDP6) POLYPLEXES DURING POST-DNA-COMPLEXATION PEGYLATION OF GRAFTING.

STAGE 3 (nm)	115	78	303	N/A	N/A	200
STAGE 2 (nm)	65	09	67.4	*	*	. 81
STAGE 1 (nm)	58		70	20	70	. 29
PEG	10:1	10:1	100%	150%	200%	100% PEG**
POLYPLEX	PEI 3+/-	-/+9 I3A	. BCDP6 5+/-	βCDP6 5+/-	βCDP6 5+/-	βCDP6 5+/-

*POOR CORRELATION FUNCTION; NO SIZE MEASUREMENTS POSSIBLE. **PEG₅₀₀₀ ADDED INSTEAD OF PEG₅₀₀₀-SPA

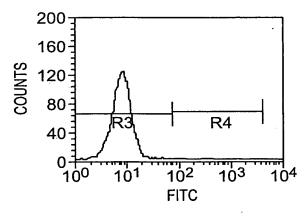
F/G, 9





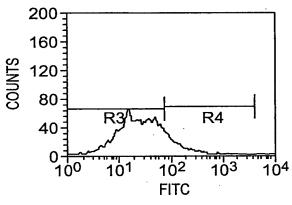
12/31

CO-DELIVERY OF β CDP6 POLYPLEXES WITH PEG $_{3400}$ -FITC.



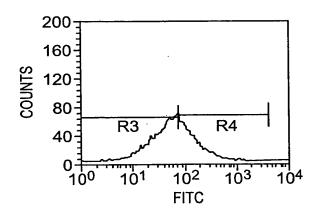
UNTRANSFECTED HUH-7

FIG. 11A



HUH-7 TRANSFECTED WITH β CDP6/OLIGO + FREE PEG₃₄₀₀-FITC

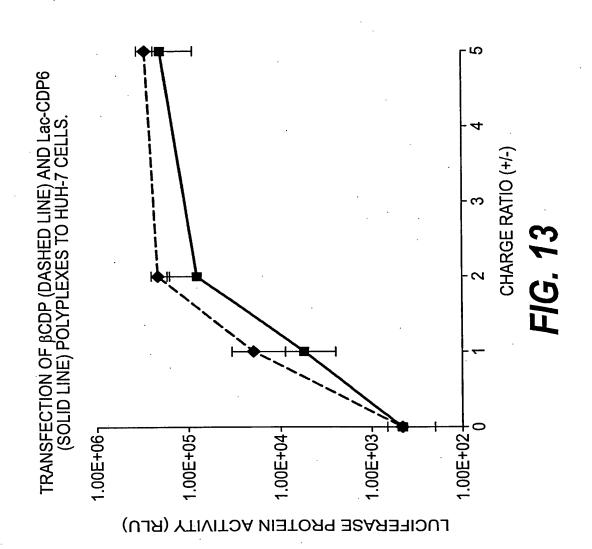
FIG. 11B

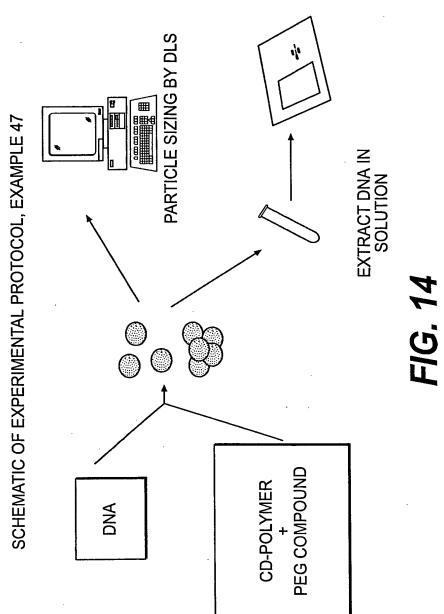


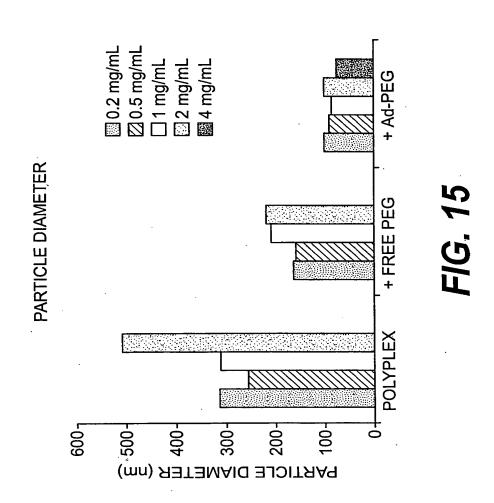
HUH-7 TRANSFECTED WITH $\beta\text{CDP6/OLIGO/Ad-PEG}_{3400}\text{-FITC}$

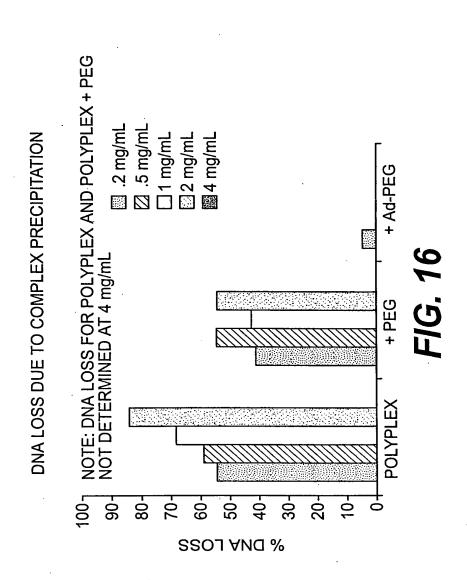
FIG. 11C

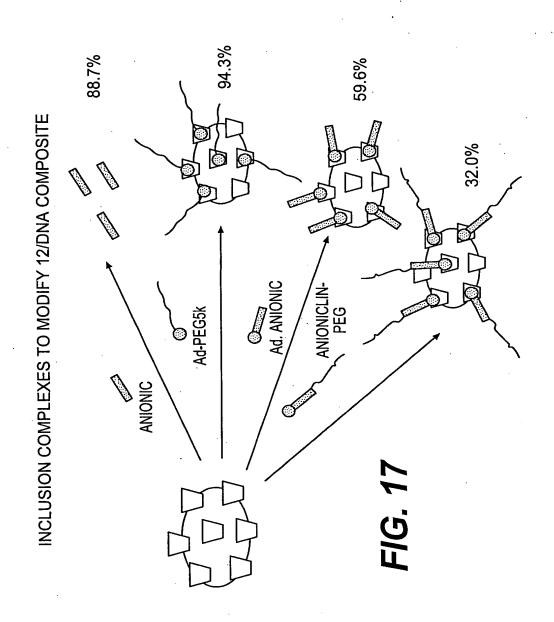
FIG. 11

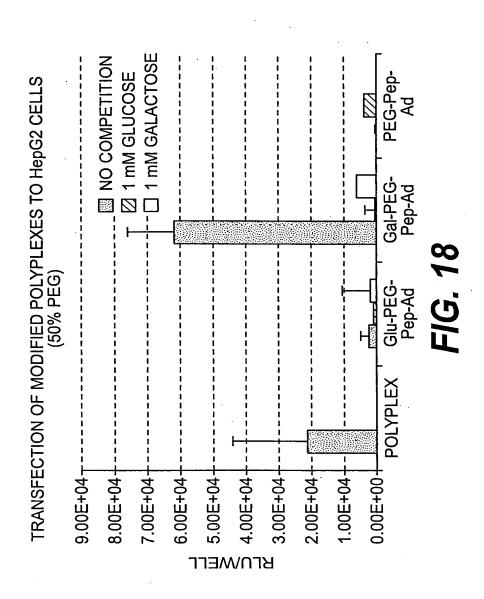


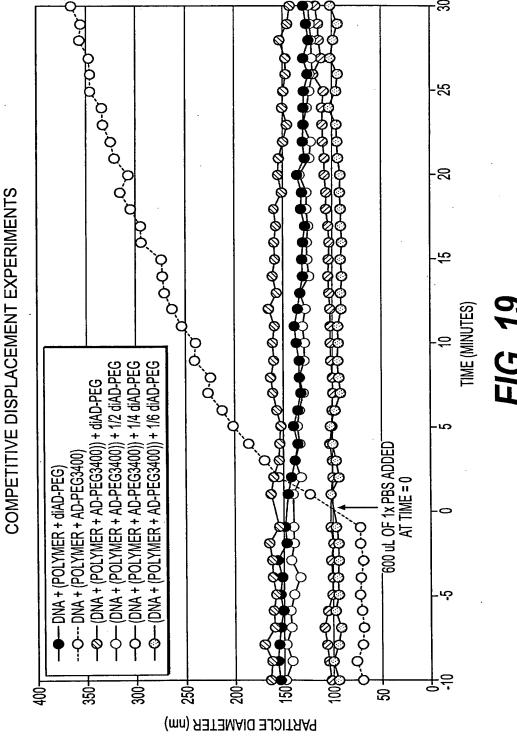


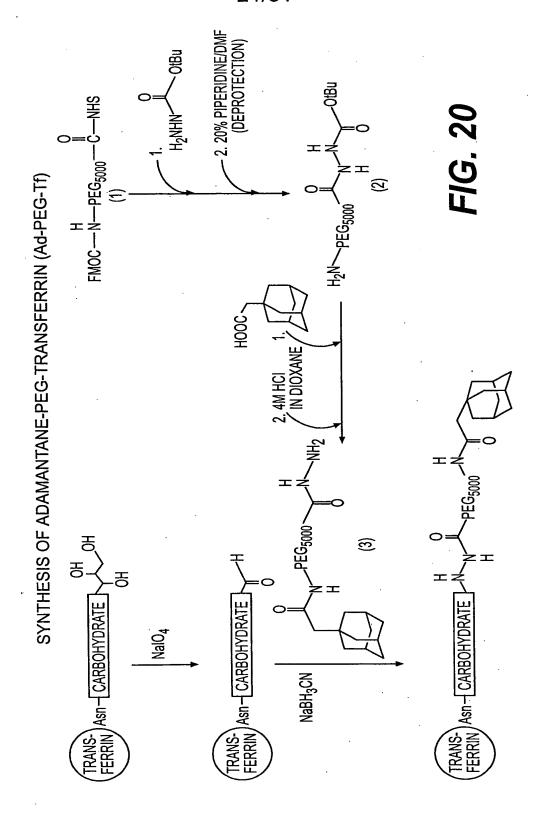


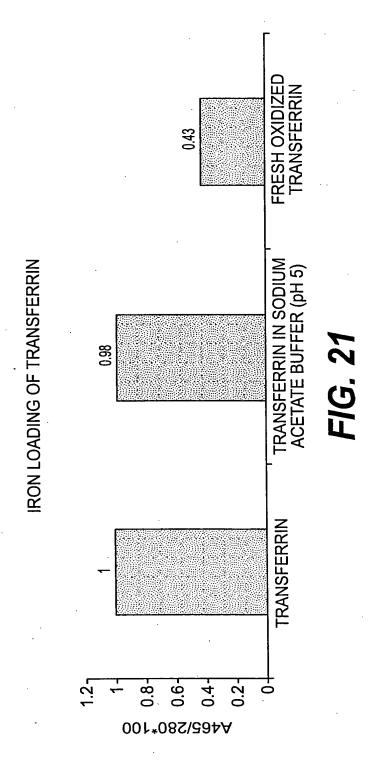


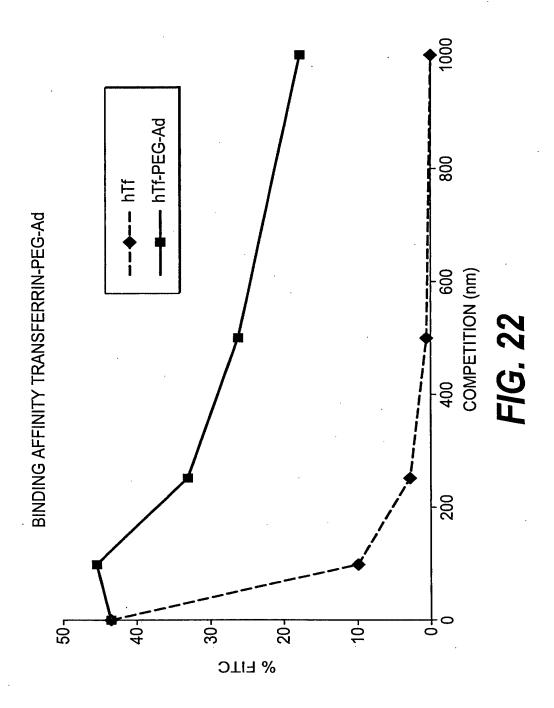












4

CH₂Cl₂,RT, 14h

